IN THE CLAIMS:

1	1. (Treviously Tresented) A method for producing a plasma display paner that has a		
2	front substrate and a back substrate disposed to face each other, the method comprising:		
3	a pre-baking phosphor layer forming step for forming a pre-baking phosphor layer		
4	containing a phosphor and an organic binder, on at least one of the surfaces of the front substrate		
5	and the back substrate that are to face each other;		
6	a sealing material applying step for applying a sealing material that softens with		
7	heat, to the peripheral region of at least one of the surfaces of the front and back substrates tha		
8	are to face each other;		
9	a stacking step for, after the pre-baking phosphor layer forming step and the		
10	sealing material applying step, disposing the front and back substrates to face each other in a		
11	stack; and		
12	a baking step for heating the front and back substrates to burn out the organic		
13	binder while supplying a dry gas containing oxygen to an internal space that is formed between		
14	the front and back substrates.		
1	2. (Original) The method of Claim 1, wherein		
2	the sealing material is a glass frit that softens at a temperature lower than the		
3	highest temperature achieved in the baking step.		
1	3. (Original) The method of Claim 2, wherein		
2	the glass frit has a softening point of 400 °C or higher.		

1	4.	(Original) The method of Claim 2 further comprising a premimary baking step
2	between the s	ealing material applying step and the stacking step, wherein
3		in the preliminary baking step, the glass frit is heated to a predetermined
4	temperature to	be preliminarily baked.
1	5.	(Original) The method of Claim 1, wherein
2		the sealing material is a glass frit that is substantially composed of a crystalline
3	glass.	
1	6.	(Original) The method of Claim 5, wherein
2		in the baking step, the heating is suspended for a predetermined time period after
3	a temperature	of the front and back substrates reaches to a predetermined temperature, then the
4	heating is resu	amed to burn out the organic binder.
1	7.	(Original) The method of Claim 1, wherein
2		at least one of the front and back substrates has thickness of 2 mm or less.
1	8.	(Original) The method of Claim 1, wherein
2		a flow rate of the dry gas supplied to the internal space is 1 CCM per 1 cm ³ of the
3	internal space	· }.
1	9.	(Original) The method of Claim 8, wherein
2		a flow rate of oxygen contained in the dry gas supplied to the internal space is 0.5
3	CCM per 1 cr	m ³ of the internal space.

1	10.	(Original) The method of Claim 1, wherein
2		in the baking step, the front and back substrates are heated while being secured by
3	pressure appli	ed by a plurality of pressing units attached to the front and back substrates.
1	11.	(Original) The method of Claim 10, wherein
1	11.	(Oliginal) The medica of Statis 10, wherein
2		the plurality of pressing units apply pressure to the peripheral region of the front
3	and back subs	trates.
1	12.	(Original) The method of Claim 11, wherein
2		the plurality of pressing units apply pressure to the front and back substrates
3	inward of the	sealing material, excluding the central region of the front and back substrates.
1	13.	(Original) The method of Claim 1 further comprising
2		an exhausting step for exhausting gases from the internal space, wherein
3		the exhausting step is started before the front and back substrates cool off to
4	ambient tempe	erature after the baking step.
1,	14.	(Original) The method of Claim 13, wherein
2		the exhausting step is completed before the front and back substrates cool off to
3	ambient tempe	erature after the baking step.
1	15.	(Original) The method of Claim 14, wherein
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2		in the exhausting step, gases are exhausted while the internal space is maintained
3	at a constant t	emperature.

1	16. (Previously Presented) A method for producing a plasma display panel that has a	
2	front substrate and a back substrate disposed to face each other, the method comprising:	
3	a pre-baking phosphor layer forming step for forming a pre-baking phosphor layer	
4	containing a phosphor and an organic binder, on at least one of surfaces of the front substrate and	
5	the back substrate that are to face each other;	
6	a sealing material applying step for applying a sealing material that softens with	
7	heat, to the peripheral region of one of the surfaces of the front and back substrates that are to	
8	face each other;	
9	a baking step for, after the pre-baking phosphor layer forming step and the sealing	
10	material applying step, burning out the organic binder by heating the front and back substrates in	
11	a furnace while the surfaces of the front and back substrates are positioned to face each other and	
12	are separated from each other to provide enough space to allow gases to escape, from an interna-	
13	space between the faces of substrates, to outside of the substrates; and	
14	a bonding step for disposing the front and back substrates to contact the sealing	
15	material for bonding the front and back substrates by keeping the front and back substrates at a	
16	temperature higher than the softening point of the sealing material.	
1	17. (Original) The method of Claim 16, wherein	
2	in the bonding step, after the front and back substrates are disposed to face each	
3	other, a dry gas containing oxygen is supplied to an internal space formed between the front and	
4	back substrates.	
1	18. (Original) The method of Claim 16, wherein	
2	the sealing material is a glass frit.	

l	19.	(Original) The method of Claim 18, wherein
2		the glass frit has a softening point of 400 °C or higher.
1	20.	(Original) The method of Claim 19, wherein
2		in the bonding step, the front and back substrates are heated to a temperature in a
3	range of 400 °	°C to 520 °C.
1	21.	(Original) The method of Claim 16, wherein
2		in the baking step, the front and back substrates are heated in an atmosphere of a
3	dry gas.	
1	22.	(Original) The method of Claim 21, wherein
2		in the baking step, the front and back substrates are heated in an atmosphere of a
3	circulated dry	gas.
1	23.	(Original) The method of Claim 21, wherein
2		the dry gas used in the baking step contains oxygen.
1	24.	(Original) The method of Claim 16, wherein
2		in the baking step, gases released from the front and back substrates as the
3	substrates are	heated are removed forcibly.
1	25.	(Original) The method of Claim 16 further comprising a disposing step and a
2	separating ste	ep in succession between the sealing material applying step and the baking step,
3	wherein	

4		in the disposing step, the front and back substrates are disposed to face each other,
5	then	
6		in the separating step, the front and back substrates are relatively moved apart
7 .	along a prede	termined path, and
8	·	in the bonding step, the front and back substrates are relatively moved together
9	along the pre	edetermined path so that the front and back substrates are disposed to face each
10	other.	
1	26.	(Original) The method of Claim 25, wherein
2	·	in the separating step and the bonding step, the front and back substrates are
3	moved paralle	el to each other.
1	27.	(Original) The method of Claim 16, wherein
2		positioning markers are formed on surfaces of the front and back substrates before
3	the baking ste	ep, and
4		in the bonding step, the front and back substrates are positioned using the
5	positioning m	narkers so as to face each other.
. 1	28.	(Original) The method of Claim 16 further comprising
2		an exhausting step for exhausting gases from the internal space, wherein
3		the exhausting step is started before the front and back substrates cool off to
4	ambient temp	perature after the bonding step.

1	29.	(Original) The method of Claim 28, wherein
2		the exhausting step is completed before the front and back substrates cool off to
3	ambient temp	erature after the baking step.
1	30.	(Original) The method of Claim 29, wherein
2		in the exhausting step, gases are exhausted while the internal space is maintained
3	at a constant t	emperature.
1	31.	(Original) A plasma display panel production apparatus for use in the baking step
2	and the bondi	ng step in the method of Claim 16, comprising:
3		a heating furnace for housing and heating the front and back substrates disposed
4	to face each o	ther; and
5		a dry gas supplying mechanism for supplying a dry gas to an internal space
6	formed betwe	en the front and back substrates.
1	32.	(Original) The plasma display panel production apparatus of Claim 31 further
2	comprising	
3		an exhausting mechanism for exhausting gases from the internal space.
1	33.	(Previously Presented) The method of Claim 1, wherein
2		BaMgA1 ₁₀ O ₁₇ :Eu is used as a phosphor constituting a blue phosphor layer.
1	34.	(Previously Presented) A plasma display panel produced by the method of
2	Claim 1.	

1	35.	(Original) An image display apparatus comprising:
2		the plasma display panel of Claim 34; and
3		a driving circuit for driving the plasma display panel.
1	36.	(Previously Presented) The method of Claim 16, wherein
2		BaMgA1 ₁₀ O ₁₇ :Eu is used as a phosphor constituting a blue phosphor layer.
1	37.	(Previously Presented) A plasma display panel produced by the method of
2	Claim 16.	
1	38.	(New) The method of Claim 1 wherein the organic binder is burned out and the
2	sealing mater	ial is softened to enable bonding of the front and back substrates in a simultaneous
3	operation of r	aising and lowering temperature.
1	39.	(New) The method of Claim 16 wherein the organic binder is burned out and the
2	sealing mater	ial is softened to enable bonding of the front and back substrates in a simultaneous
3	operation of r	aising and lowering temperature.